	Application No.	Applicant(s)	
	09/712,920	MARUYAMA, HIDENORI	
Notice of Allowability	Examiner	Art Unit	
	Duc C. Ho	2665	
The MAILING DATE of this communication. All claims being allowable, PROSECUTION ON THE MERI herewith (or previously mailed), a Notice of Allowance (PTO NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATE of the Office or upon petition by the applicant. See 37 CFR	ITS IS (OR REMAINS) CLOSED i OL-85) or other appropriate comm ENT RIGHTS. This application is	n this application. If not included unication will be mailed in due course.	THIS initiative
1. This communication is responsive to the amendment	nt filed 04-26-05.		
2. ☑ The allowed claim(s) is/are <u>1-10</u> .			
3. ☑ The drawings filed on <u>1-26-05 &11-16-00</u> are accept	ted by the Examiner.		
 4. Acknowledgment is made of a claim for foreign prically also also also also also also also also	ts have been received. Its have been received in Application rity documents have been received). DATE" of this communication to file DONMENT of this application.	on Nod in this national stage application from a limited and the stage application from a limited at the requirements a reply complying with the requirements.	nts
5. A SUBSTITUTE OATH OR DECLARATION must be INFORMAL PATENT APPLICATION (PTO-152) white	submitted. Note the attached EX. ch gives reason(s) why the oath o	AMINER'S AMENDMENT or NOTICE (r declaration is deficient.	DF
6. CORRECTED DRAWINGS (as "replacement sheets	s") must be submitted.		
(a) including changes required by the Notice of Draf		v (PTO-948) attached	
1) ☐ hereto or 2) ☐ to Paper No./Mail Date		·	
(b) ☐ including changes required by the attached Example Paper No./Mail Date	miner's Amendment / Comment o	in the Office action of	
Identifying indicia such as the application number (see 37 each sheet. Replacement sheet(s) should be labeled as su	CFR 1.84(c)) should be written on t ch in the header according to 37 CF	ne drawings in the front (not the back) of R 1.121(d).	
 DEPOSIT OF and/or INFORMATION about the attached Examiner's comment regarding REQUIREN 	deposit of BIOLOGICAL MAT	ERIAL must be submitted. Note the	
Attachment(s)			

1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/08),

Paper No./Mail Date 4.

Examiner's Comment Regarding Requirement for Deposit

of Biological Material

5. Notice of Informal Patent Application (PTO-152	2)
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- 6. ☑ Interview Summary (PTO-413), Paper No./Mail Date <u>05-12-05</u>.
 7. ☑ Examiner's Amendment/Comment

8.

Examiner's Statement of Reasons for Allowance

9. 🔲	Other	
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DETAILED ACTION

EXAMINER 'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Carl J. Pellegrini on 05-12-05

The application has been amended as follows:

In the specification:

Replace the old abstract sheet with a shortened abstract below:

ABSTRACT OF THE DISCLOSURE

An initial synchronization method in a DS-CDMA inter-base station asynchronous cellular scheme of transmitting a spreading code sequence, includes: a first stage that detects correlation power values between the common identification code and a received signal by using a correlator and performs a threshold determination; a second stage that detects a correlation value between the received signal and each long code group identification short code, sets a group having a maximum correlation sum as a group, detects a slot in which a head of the pattern is obtained as a start slot of a frame, and compares an arbitrarily set threshold with the maximum correlation sum; and a third stage that sequentially generates replica codes of long codes and

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short codes, performs correlation detection for the obtained synchronization timing, and performs long code correlation detection.

Reason for allowance

2. The following is an examiner's statement of reasons for allowance:

Regarding claims 1-10, the prior arts fail to teach or fairly suggest an initial synchronization method in a DS-CDMA inter-base station asynchronous cellular scheme of transmitting a spreading code sequence comprising a long code unique to each cell and a short code corresponding to each communication channel, an identification code (common identification code) common to each cell in a predetermined period (slot), and a long code group identification short code corresponding to the long code in each cell upon multiplexing the codes, the method includes a step in which at least one of the first, second, and third arbitrary thresholds is set after at least one of the correlation power value, maximum correlation sum and a maximum correlation detective value, are excluded, in combination with other limitations, as specified in the independent claims 1, and 6.

- 3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."
- 4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Duc Ho whose telephone number is (571) 272-3147. The examiner can normally be reached on Monday through Friday from 7:00 am to 3:30 pm.

If attempt to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Huy Vu, can be reached on (571) 272-3155.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571) 272-2600.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

5. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Patent Examiner

Duc Ho 05-12-05